

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (currently amended): A system for treating vasculature, comprising:
a main component having at least four apertures; and
a plurality of extension components each of which including a portion configured to sealingly engage with a corresponding aperture, at least one of the plurality of extension components including a first end portion, a second end portion and a midsection portion and a support structure attached to the midsection portion, the support structure being spaced from the main component after the plurality of extension components are placed in sealing engagement with the main component.

B1
Claim 2 (currently amended): The system of claim 1, further comprising a main delivery catheter, the main catheter including a tubular portion and being sized to releasably receive and deliver the main component within vasculature.

Claim 3 (previously presented): The system of claim 1, further comprising a delivery catheter including structure that receives at least one of the extension components.

Claim 4 (previously presented): The system of claim 3, the delivery catheter further comprising releasing structure to position at least one of the extension components adjacent the main component and into sealing engagement with the main component in situ.

Claim 5 (previously presented): The system of claim 1, the main component further comprising a profile that is sized to be positionable in the first vessel portion, wherein the system is configured to treat vasculature characterized by having a first vessel being proximately located

and in fluid communication with at least four separate vessel portions, and each of the extension components extending from the main component to one of the four separate vessel portions.

Claim 6 (previously presented): The system of claim 5, wherein each of the four separate vessels branch from the first vessel portion.

Claim 7 (previously presented): The system of claim 1, the main component further comprising a superior end and an anchoring device attached to the superior end.

Claim 8 (withdrawn): The system of claim 7, the anchoring device further comprising a generally sinusoidal frame and at least one wall engaging member attached to the frame.

Claim 9 (previously presented): The system of claim 7, the anchoring device further comprising a flat wire frame, the flat wire frame embodying structure to enable the anchoring device to compress to a small diameter and to expand to a large diameter.

Claim 10 (previously presented): The system of claim 7, wherein the anchoring device is self-expanding.

Claim 11 (previously presented): The system of claim 1, the extension components further comprising a generally cylindrical support structure.

Claim 12 (previously presented): The system of claim 11, wherein the support structure extends an entire length of the extension component.

Claim 13 (previously presented): The system of claim 11, wherein the support structure is self-expanding.

Claim 14 (previously presented): The system of claim 11, the extension components further comprising an inside, wherein the support structure is attached to the inside of the extension components.

Claim 15 (withdrawn): The system of claim 1, wherein the main component has a generally tubular configuration with a superior end, a midsection and an inferior end, a first

aperture of the at least four apertures positioned at the superior end, and a second aperture of the at least four apertures positioned at the inferior end.

Claim 16 (previously presented): The system of claim 1, the main components further comprising a plurality of tubular portions extending therefrom, each of the tubular portions terminating with one of the at least four apertures and being attachable to one of the plurality of extension components.

Claim 17 (withdrawn): The system of claim 15, wherein the midsection of the main component has a circumference which is less than a circumference of each of the superior and inferior ends.

R
Claim 18 (withdrawn): The system of claim 15, wherein the superior and inferior ends have different circumferences.

Conf
Claim 19 (withdrawn): The system of claim 15, further comprising an inferior extension component.

Claim 20 (withdrawn): The system of claim 15, the inferior end further comprising mating structure for mating with the inferior extension component.

Claim 21 (withdrawn): The system of claim 20, the mating structure further comprising a suture routed about an interior circumference of the inferior end.

Claim 22 (withdrawn): The system of claim 19, the inferior extension component further including a support structure extending a length thereof.

Claim 23 (withdrawn): The system of claim 15, wherein the main component has five apertures.

Claim 24 (withdrawn): The system of claim 15, the main component further comprising an anchoring device attached to the inferior end.

B1

Claim 25 (withdrawn): The system of claim 19, the inferior extension component further comprising a first end, a second end and an anchoring device attached to the second end.

Claim 26 (withdrawn): The system of claim 20, the inferior extension component further comprising complimentary mating structure that engages the mating structure of the main component.

Claim 27 (previously presented): The system of claim 1, further comprising a plurality of guidewires, each of the guidewires configured to be routed through an interior of the main component and out one of the at least four apertures to thereby provide a path for connecting the plurality of extension components to the main component.

End

Claim 28 (withdrawn): A system for treating vasculature, comprising:
a main component including a superior end, an inferior end, and a midsection including at least three limbs, wherein each of the superior and inferior ends and the limbs include an aperture; and
at least three limb extension components each of which are configured to mate with one limb.

Claim 29 (withdrawn): The system of claim 28, further comprising a series of delivery catheters configured to deliver the main component and limb extension components within vasculature.

Claim 30 (withdrawn): The system of claim 29, wherein the main component and limb extension components are assembled in situ.

Claim 31 (withdrawn): The system of claim 30, wherein the superior end includes structure that attaches within a first portion of a first vessel and the inferior end includes structure that attaches to a second portion of the first vessel.

Claim 32 (withdrawn): The system of claim 31, wherein each of the limb extension components include a mating end that engages an aperture of one midsection limb and a second end for attachment to a vessel in fluid communication with and extending at an angle from the first vessel.

Claim 33 (withdrawn): The system of claim 31, the main component further comprising a supporting structure extending a length thereof.

Claim 34 (withdrawn): The system of claim 31, the main component further comprising an anchoring element attached to one of the superior or inferior ends.

Claim 35 (withdrawn): The system of claim 28, further comprising an inferior end extender member configured to mate with the inferior end of the main component.

Claim 36 (withdrawn): A method of treating vasculature characterized by having a first vessel in fluid communication with a plurality of vessel portions lying at an angle from the first vessel using a system including a main component having a superior end, an inferior end and at least four apertures in combination with at least three extension components each having a mating end and an anchoring end, comprising:

delivering the main component within the first vessel;
attaching the superior end of the main component within the first vessel;
configuring the mating ends of each of the three extension components into engagement with one of the apertures of the main component.

Claim 37 (withdrawn): The method of claim 36, further comprising attaching the anchoring ends of each of the extension components to one of the vessel portions lying at an angle from the first vessel.

Claim 38 (withdrawn): The method of claim 36, wherein the system includes an inferior extension component having a mating end and an anchoring end and further comprising

attaching the mating end of the inferior extension component to the inferior end of the main component and the anchoring end of the inferior extension component to the first vessel.

Claim 39 (withdrawn): The method of claim 36, further comprising attaching the inferior end of the main component to the first vessel.

Claim 40 (withdrawn): The method of claim 36, wherein the system includes a plurality of guidewires and delivery catheters, further comprising configuring each of the guidewires through the inferior end of the main component and out one of the apertures of the main component.

Claim 41 (withdrawn): The method of claim 40, further comprising advancing a delivery catheter along each of the guidewires.

Claim 42 (withdrawn): A method for treating vasculature characterized by including a first vessel and a plurality of vessel portions in fluid communication therewith and lying at an angle to the first vessel using a graft device having a superior end, an inferior end and a midsection having at least three tubular portions extending therefrom, comprising:

delivering the graft device within the vasculature;
attaching the superior end of the graft device within the vasculature;
attaching each of the tubular portions to one of the vessel portions lying at an angle from the first vessel; and
attaching the inferior end of the graft device to the first vessel.